| tumber:              | 09/8/6                              | ,756A                                      |  | CRF Processing O   |                   |
|----------------------|-------------------------------------|--|--|--|-------------------|
| Change               | d a lile from non                   | -ASCII to ASCII                            | ENTER  | RED Verified by:   | (STIC             |
| Change               | d the margins in                    | cases where the se                         | quence text was                              | vrapped down to the nex                                  | line              |
| Edited a             | format error in                     | the Current Applicati                      | on Data section, s                           | pecifically:   |                   |
| Edited the applicant | ne Current Appli<br>t was 📗 the pr  | cation Data section vior application data; | vith the actual curr<br>or                   | ent number. The number                                   | inputted by the   |
| Added II             | ne mandatory he                     | pading and subheadi                        | ngs for *Current Ap                          | oplication Data*.  |                   |
| →<br>Edited th       | o 'Number of S                      | equences* field. The                       | applicant spelled                            | out a number instead of u                                | ising an integer. |
| Changed              | tho spelling of                     | a mandatory field (th                      | e headings or sub                            | headings), specifically:                                 |                   |
| Correcte             | d the SEQ ID No                     | O when obviously inc                       | correct. The seque                           | ence numbers that were e                                 | dited were:       |
| Inserted             | or corrected a n                    | ucleic number at the                       | end of a nucleic li                          | no. SEO ID NO's edited:                                  |                   |
| Corrected applicant  | d subheading pla<br>placed a respor | acement. All respon                        | ses must be on the ading, this was mo        | same line as each subhe<br>wed to its appropriate place. | eading. If the    |
| Inserted             | colons after hea                    | adings/subheadings.                        | Headings edited i                            | ncluded: , .   |                   |
| Deleted :            | extra, invalid, he                  | adings used by an a                        | pplicant, specifical                         | ly:  |                   |
| Deleted:             | non-ASCII<br>e numbers throu        | *garbago* at the beg<br>ughout text;       | inning/end of files;<br>r invalid text, such | secretary initials/liler                                 | name at end of f  |
| Inserted             | mandatory head                      | dings, specifically: _                     |  |  |                   |
| Correcte             | d an obvious en                     | ro: in the response, s                     | specifically:                                |  |                   |
| Edited id            | entifiers where (                   | upper case is used b                       | ut lower case is re                          | quired, or vice versa.                                   |                   |
| Correcte             | d an orror in the                   | Number of Sequence                         | ces field, specifical                        | ly:  |                   |
| A *Hard I            | Page Break* cod                     | de was inserted by Ih                      | ne applicant. All oc                         | ccurrences had to be delet                               | ed.               |
| eleted <i>ei</i>     | ndIng stop code                     |  | uences and adjust                            | ed the *(A)Length:* field a                              |                   |
| Other:               | mantila                             | I led mi sal                               |  |  |                   |
|                      | o working                           | gran ///wyw                                | <del></del>                                  |  |                   |

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

## DATE: 07/24/2001 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/816,756A TIME: 11:33:37 Input Set : A:\Pto.amc Output Set: N:\CRF3\07242001\I816756A.raw 1 <110> APPLICANT: University of Connecticut Mayer, Bruce 4 <120> TITLE OF INVENTION: Coiled-Coil Mediated Heterodimerization Functional 6 <130> FILE REFERENCE: 883933.0062 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/816,756A 9 <141> CURRENT FILING DATE: 2001-03-24 11 <150> PRIOR APPLICATION NUMBER: 60/141,896 12 <151> PRIOR FILING DATE: 1999-06-30 14 <150> PRIOR APPLICATION NUMBER: PCT/US00/17929 15 <151> PRIOR FILING DATE: 2000-06-29 17 <160> NUMBER OF SEQ ID NOS: 2 19 <170> SOFTWARE: PatentIn version 3.0 21 <210> SEQ ID NO: 1 22 <211> LENGTH: 156 23 <212> TYPE: DNA 24 <213> ORGANISM: Artificial Sequence 26 <220> FEATURE: 27 <223> OTHER INFORMATION: Kozak translation start site, followed by an HA-epitope, by WIN-ZIP-Al synthetic amphiphatic helix, followed by an infram e Bam HI cloning site 31 <400> SEQUENCE: 1 32 accatgtacc catacgatgt tccggattac gctggatcta ccatgactgt ggcgcaactg 60 34 qaqqaaaaqq tqaaaaccct tcqtqctcaq aattatqaac ttaaqtctcq tgtgcagcgc 120 156 36 ttgcgtgagc aggttgccca gcttggagga ggatcc 38 <210> SEO ID NO: 2 39 <211> LENGTH: 165 40 <212> TYPE: DNA

45 <223> OTHER INFORMATION: Kozak translation start site, followed by a Myc-epitope,

by a WIN-ZIP-B1 synthetic amphipathic helix, followed by an in-fr

50 accatggage aaaageteat ttetgaagag gaettgaatg aaggatetae eatgteegtt 52 gacqaactgc aggctgaggt tgaccagctg caggacgaga attacgctct gaagaccaag

7/24/01

60

120 165

41 <213> ORGANISM: Artificial Sequence

ame BamHI cloning site

54 gttgcgcagc tgcgtaaaaa ggtggaaaag ctgggaggag gatcc

43 <220> FEATURE:

49 <400> SEQUENCE: 2

Interaction Trap

followed

followed

46 47

28 29 VERIFICATION SUMMARY

DATE: 07/24/2001

PATENT APPLICATION: US/09/816,756A

TIME: 11:33:38

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\1816756A.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number

STATISTICS SUMMARY

DATE: 07/24/2001

PATENT APPLICATION: US/09/816,756A

TIME: 11:33:38

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07242001\I816756A.raw

Application Serial Number: US/09/816,756A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-24-2001

Art Unit:

Software Application: PatentIn Total Number of Sequences: 2

Total Nucleotides: 321
Total Amino Acids: 0
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 1

## MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)